## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20080226287"). <b>PN</b> .	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 11:34
S2	10	(Bogoni with Antonella or Magri with Roberto or Ceccatelli with Riccardo).in. and amplifier and (fault or break\$3 or broken or fail\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 11:36
S3	10	(Bogoni with Antonella or Magri with Roberto or Ceccatelli with Riccardo).in. and amplifier and ASE	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 15:17
\$4	4	S3 not S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 15:17
<b>S</b> 5	15	(("6421168") or ("6175436") or ("6687049") or ("20040208531") or ("20080131121") or ("20040208518") or ("7058301") or ("5986783")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 15:44

\$6	48	(TASHIRO with NORIO or OGOSHI with HARUKI).in. and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 16:31
<b>S7</b>	6	(("20040012843") or ("20060146398") or ("20060146397")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 17:03
\$8	1663	amplifier and ramp function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 17:06
<b>S9</b>	194	amplifier with ramp function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 17:06
S10	38	amplifier with ramp function and optical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 20:32
S11	2	amplifier same ramp function and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 22:11

S12	15	amplifier and ramp function and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 22:14
S13	26	(Bogoni with Antonella or Magri with Roberto or Ceccatelli with Riccardo).in. and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 22:24
S14	2	(Bogoni with Antonella or Magri with Roberto or Ceccatelli with Riccardo).in. and ramp	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/24 22:30
S15	10	(("7,019,894") or ("6,735,391") or ("6,421,168") or ("6,025,941") or ("6,388,802")). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 22:59
S16	2	("20060227412"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 23:05
S17	3	(("7583432") or ("20060227412")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/25 09:26

S18	0	wo2005055476	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 09:32
S19	2	wo "2005055476"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 09:32
S20	6	(("20040170433") or ("5440418") or ("20030194232")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/25 09:39
S21	43	((liu with li).xa. or (liu with li)".xp") and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 09:53
S22	42	((liu with li).xa. or (liu with li)".xp") and amplifier and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 09:53
S23	2	("20090116842").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/25 10:01

S24	2	("7444078").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/25 10:44
S25	20	("20020114060"   "20030035206"   "20030090758"   "20030147126"   "20040085621"   "20040208567"   "5926590"   "6011623"   "6341034"   "6356386"   "6414788"   "6476961"   "6498677"   "6515777"   "6542287"   "6639716"   "6654516"   "6681079"   "7061666"   "7197245"). PN. OR ("7444078"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/25 10:45
S26	3123	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault ot fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 10:57
S27	280	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault ot fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 10:58
S28	782		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 10:58
\$29	57	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault ot fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (lase or lasing) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 10:59
<b>S</b> 30	12	, t	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 11:06

S31	19	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault of fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (lase or lasing) and ramp\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 11:06
S32	54	(amplified spontaneous emissions or ASE) and amplifier and (lase or lasing) and ramp\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 12:03
S33	35	\$32 not \$31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/08/25 12:04
S34	1	jp11204868	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 09:25
S35	2	("5088095"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/10 09:59
<b>S36</b>	6	(Bogoni with Antonella or Magri with Roberto or Ceccatelli with riccardo or cornilius with furst).in. and amplifier and ASE and lasing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:21

<b>S</b> 37	46	(Bogoni with Antonella or Magri with Roberto or Ceccatelli with riccardo or cornilius with furst).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:26
S38	1	"WO2004/06413"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:28
S39	2	ASE and (re-circulat\$3 or recirculat\$3) and ring and lasing peak and clamp\$4 and gain and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:31
S40	27	ASE and (re-circulat\$3 or recirculat\$3) and ring and lasing and clamp\$4 and gain and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:31
S41	25	S40 not S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:31
<b>S</b> 42	0	Wo2004064280	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:36

S43	2	wo "2004064280"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 10:36
\$44	205	ASE and (re-circulat\$3 or recirculat\$3 or loop\$3) and ring and lasing and gain and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 11:06
S45	11	ASE and (re-circulat\$3 or recirculat\$3 or loop\$3) and ring and lasing peak and gain and amplifier and (optic\$4 or light or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 11:09
S46	0	(seleheen with hasan).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 11:19
\$47	2	("6175436").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/10 12:16
S48	0	(amplified spontaneous emission or ASE) and (re-circulat\$3 or recirculat\$3 or loop\$3 or circulat\$3) and ((ring or loop) same lasing smae clamp\$3 same gain same amplifier) and (optic\$4 or light or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 13:52

S49	4	(amplified spontaneous emission or ASE) and (re-circulat\$3 or recirculat\$3 or loop\$3 or circulat\$3) and ((ring or loop) same lasing same clamp\$3 same gain same amplifier) and (optic\$4 or light or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 13:52
\$50	2	("6735391").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/10 14:00
\$51	1	wo "02080409"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 14:16
S52	1	wo "2002080409"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 14:18
S53	12	(amplified spontaneous emission or ASE) and ((re-circulat\$3 or recirculat\$3 or loop\$3 or circulat\$3 or ring) same lasing same clamp\$3 same gain same amplifier) and (optic\$4 or light or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 14:33
<b>S</b> 54	57	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault ot fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (lase or lasing) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:48

S55	0	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault or fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (lase or lasing) and (control\$4 with amplifier with constant with out power) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:50
S56	0	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault or fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (lase or lasing) and (control\$4 with amplifier with constant with outpit power) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:50
S57	2	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring) and (optic\$4 or light or laser) and (break\$3 or fault or fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (lase or lasing) and (control\$4 with amplifier with constant with output power) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:50
S58	55	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring or re-circulat\$3 or recirculat\$3 or circulat\$3 and (optic\$4 or light or laser) and (break\$3 or fault or fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (control \$4 with amplifier with constant with output power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:52
S59	19	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or ring or re-circulat\$3 or recirculat\$3 or circulat\$3 and (optic\$4 or light or laser) and (break\$3 or fault or fail\$4 or cut or cutting or trouble or ruptur\$4 or broke\$3 or disconnect\$4 or loss) same (monitor\$3 or detect\$4) and (control \$4 with amplifier with constant with output power) and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:52
S60	1	wo "02080409"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:57

S61	1	wo "2002080409"	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 15:58
S62	4	(("6339495") or ("20020024706")).PN.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/10 16:17
S63	67	((amplified spontaneous emission or ASE) same lasing same clamp\$3 same gain same amplifier) and (optic\$4 or light or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 16:47
S64	67	((amplified spontaneous emission or ASE) same lasing same clamp\$3 same (gain with amplifier)) and (optic\$4 or light or laser)	US-PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 16:48
<b>S</b> 65	18	S64 not (kish with fred or welch with david).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 16:50
S66	67	((amplified spontaneous emission or ASE) same lasing same clamp\$3 same gain same amplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/10 17:22

\$67	2	("20040208518"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/10 23:38
S68	65	((liu with li).xa. and "398".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/11 10:13
S69	19	("20030048525"   "4838032"   "5463487"   "5513029"   "5699081"   "5909305"   "5969833"   "5969840"   "5973811"   "6025949"   "6043915"   "6111676"   "6239889"   "6282017"   "6362760"   "6381064"   "6483631"   "6624918"   "6633430").PN. OR ("7302178").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/11 10:15
S70	2	("6282017").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/11 10:36
S71	2	("5909305").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/11 11:14
S72	2	\("5969840").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/11 11:16

S73	50	(("6175436") or ("5436759") or ("4757268") or ("5818630") or ("4870648") or ("5311603") or ("5371758") or ("5500764") or ("5572612") or ("5636053") or ("5651021") or ("5659644") or ("6016213") or ("6025941") or ("6091743") or ("6166850") or ("6184542") or ("6304711") or ("6388802") or ("6421168") or ("6532106") or ("6563995") or ("6597497") or ("6700697") or ("6714344") or ("6747794") or ("7190870") or ("7265898") or ("7280571") or ("7289263") or ("7417790") or ("7440181") or ("7508579") or ("7738166") or ("7590155") or ("7630424") or ("7720126") or ("7738166") or ("20030067675") or ("20030067676") or ("20030067675") or ("20030142944") or ("20030169483")).PN.	US-PGPUB; USPAT	OR	OFF	2010/09/11 14:06
S74	1	(amplified spontaneous emissions or ASE) and amplifier and (loop\$3 or recirculat\$3 or re-circulat\$3 circulat\$3) same ring same (lase or lasing) and (optic\$4 or light or laser) and clamp\$4 with gain with amplifier and constant with power and (398/1,6,7,9,11,14,17,18,21,34,37,59,83,92,97,177,180 or 359/337).ccls.	USPAT;	ADJ	ON	2010/09/11 14:25

## **EAST Search History (Interference)**

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## 9/11/2010 2:59:33 PM

 $\textbf{C:} \ \, \textbf{Documents and Settings} \\ \ \, \textbf{Iliu1} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{EAST} \\ \ \, \textbf{Workspaces} \\ \ \, \textbf{AP11915567.wsp} \\ \ \, \textbf{Spring} \\ \ \, \textbf{Normal Settings} \\ \ \, \textbf{Normal Se$